

MINGUS PARK POOL FACILITY

725 N 10th St, Coos Bay, OR

EQUIPMENT REPLACEMENT PROJECT



1 VICINITY MAP
S0.0 NTS



2 SITE MAP
S0.0 NTS

PROJECT NARRATIVE

THE INTENT OF THIS PROJECT IS TO UPGRADE AND RELOCATE THE EXISTING POOL FILTRATION AND HEATING SYSTEM. THIS SHALL INCLUDE RAISING THE EXISTING FLOOR IN THE CURRENT BOILER ROOM, RELOCATING THE EXISTING BOILER, CONSTRUCTION OF A NEW SURGE TANK IN THE EXISTING BOILER ROOM, CONSTRUCTION OF A NEW CHEMICAL STORAGE ROOM, AND INSTALLATION OF NEW POOL WATER HEATING AND TREATMENT SYSTEMS. ALL SYSTEMS SHALL BE COMPLETE AND OPERATIONAL TO THE SATISFACTION OF THE OWNER AND STATE LOCAL CODES.

GOVERNING CODES:

- 2014 OREGON STRUCTURAL SPECIALTY CODE
- 2014 ELECTRICAL SPECIALTY CODE
- 2014 OREGON PLUMBING SPECIALTY CODE
- 2014 OREGON MECHANICAL SPECIALTY CODE
- 2014 OREGON FIRE CODE
- 2014 OREGON ENERGY EFFICIENCY CODE
- 2015 IBC INTERNATIONAL EXISTING BUILDING CODE

GENERAL NOTES:

- ALL CONCRETE SHALL BE CONSTRUCTED PER THE CURRENT EDITION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND ALL LOCAL CODES AND ORDINANCES AS APPLICABLE.
- FILTRATION TANK CONCRETE SHALL BE CONSTRUCTED PER THE CURRENT EDITION OF ACI 350 "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES AND COMMENTARY" AND ALL LOCAL CODES AND ORDINANCES AS APPLICABLE.
- ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS. RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO COMPLETE CONSTRUCTION.
- GENERAL CONTRACTOR TO COORDINATE INSTALLATION OF UTILITIES WITH OWNER AND ALL RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION.
- GENERAL CONTRACTOR TO PROTECT EXISTING STRUCTURAL ELEMENTS DURING ALL PHASES OF CONSTRUCTION.

MECHANICAL NOTES:

- ALL HVAC SYSTEMS TO BE DESIGN BUILT PER ALL APPLICABLE CODES. GENERAL CONTRACTOR TO SUBMIT DEMOLITION PLAN, PRODUCT INFORMATION AND SYSTEM DRAWINGS TO ENGINEER FOR FINAL APPROVAL PRIOR TO INSTALLATION.
- COORDINATE WITH ALL OTHER TRADES TO PROVIDE A COMPLETE TURNKEY SYSTEM.
- GENERAL CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.

ELECTRICAL NOTES:

- ALL ELECTRICAL SYSTEMS TO BE DESIGN BUILT PER ALL APPLICABLE CODES. GENERAL CONTRACTOR TO SUBMIT DEMOLITION PLAN, PRODUCT INFORMATION AND SYSTEM DRAWINGS TO ENGINEER FOR FINAL APPROVAL PRIOR TO INSTALLATION.
- THE LIGHTING LAYOUT PROVIDED IN THESE PLANS IS SCHEMATIC. CONTRACTOR SHALL SUBMIT A COMPLETE LIGHTING PLAN FOR APPROVAL.
- COORDINATE WITH ALL OTHER TRADES TO PROVIDE A COMPLETE TURNKEY SYSTEM.
- GENERAL CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.

BOILER/PLUMBING NOTES:

- ALL BOILER REINSTALLATION AND PLUMBING IS TO BE DESIGN BUILT PER ALL APPLICABLE CODES, INCLUDING PIPE SUPPORT, EXPANSION/CONTRACTION FITTINGS, AND INSULATION. THE INFORMATION PROVIDED IN THESE PLANS IS SCHEMATIC AND IS BASED ON THE OWNER'S PREFERENCE FOR PUMPING, SANITATION, AND HEATING EQUIPMENT. CONTRACTOR TO VERIFY COMPATIBILITY AND FEASIBILITY OF PROPOSED EQUIPMENT AND LAYOUT PRIOR TO CONSTRUCTION. CONTRACTOR TO SUBMIT DEMOLITION PLAN, ALL PRODUCT INFORMATION AND DRAWINGS TO ENGINEER OF RECORD FOR FINAL APPROVAL PRIOR TO CONSTRUCTION.
- EXISTING BOILER ACID STORAGE AND INJECTION SYSTEM TO BE REINSTALLED BY CONTRACTOR.
- THE SYSTEM PUMP HAS BEEN SPECIFIED BASED ON THE PARAMETERS SHOWN IN THESE PLANS. CONTRACTOR PROPOSED CHANGES TO PIPE SIZES, EQUIPMENT, ROUTING, AND ELEVATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR EVALUATION PRIOR TO ORDERING THE SYSTEM PUMP.
- COORDINATE INSTALLATION OF UTILITIES WITH ALL RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION.
- ALL BOILER AND POOL PLUMBING SHALL BE REPLACED AS NECESSARY TO PROVIDE A COMPLETE TURNKEY PLUMBING SYSTEM FOR THE NEW EQUIPMENT AND CONSTRUCTION LAYOUT.
- GENERAL CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.

STRUCTURAL NOTES

STRUCTURAL STEEL AND MISCELLANEOUS:

- STRUCTURAL STEEL SHALL BE:
- ASTM A36 CHANNELS, PLATES AND ANGLES, EXCEPT AS NOTED
ASTM A500, GRADE B (Fy=48 KSI) HOLLOW STRUCTURAL SECTIONS (HSS)
- ALL WELDING SHALL CONFORM TO AWS (LATEST EDITION) SPECIFICATIONS.
 - ANCHOR BOLT SHALL CONFORM WITH ASTM A 307, GRADE A, AND SHALL BE PROVIDED WITH STANDARD WASHERS AND NUTS.
 - SAFETY RAIL, SAFETY RAIL GATE, AND LADDER SHOP DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO COMPONENT FABRICATION AND BLOCKOUT INSTALLATION.

CONCRETE:

- ALL CONCRETE SHALL DEVELOP A MINIMUM 28-DAY LAB CURED COMPRESSIVE STRENGTH OF 3,500 PSI, EXCEPT AS NOTED (SEE TANK DETAIL FOR SPECIFIC MIX DESIGN REQUIREMENTS). ALL FOOTINGS WERE DESIGNED WITH $f_c = 3,500$ PSI, THEREFORE NO SPECIAL INSPECTION IS REQUIRED.
- ALL EXPOSED CONCRETE TO HAVE 1% PLUS OR MINUS 1% AIR, BY VOLUME, CONFORMING TO ASTM C 260.
- ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4".
- ALL CONCRETE SHALL BE CURED PER ACI 315-08 STANDARDS.

REINFORCING STEEL:

- ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60.
- PLACE 2-0 X 2-0 BARS AT CORNERS AND INTERSECTIONS.
- LAP ALL REINFORCING BARS MINIMUM 30" UNLESS NOTED PER ACI 315-08.
- SECURELY TIE ALL REINFORCING PRIOR TO PLACING CONCRETE. ALL TIE WIRE SHALL BE #18 ANNEALED STEEL.
- PROVIDE 3" CLEARANCE FOR ALL REINFORCING IN CONCRETE CAST AGAINST EARTH, 2" FOR CONCRETE EXPOSED TO EARTH AND WEATHER, AND 1 1/2" FOR ALL INTERIOR EXPOSURE.
- ALL REINFORCING SHALL BE SUPPORTED ON WELL CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE CRSI MANUAL OF STANDARD PRACTICE, MSP 2009.

STRUCTURAL BACKFILL:

- APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREA OF NEW RAISED FLOOR.
- STRUCTURAL FILL MATERIALS SHALL BE APPROVED BY THE ENGINEER OF RECORD PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK SHALL CONFORM TO THE SPECIFICATIONS EXISTING IN THE PLAN SET.
- STRUCTURAL FILL PLACEMENT LIFTS TO BE DETERMINED BY THE ENGINEER OF RECORD BASED ON MATERIAL PROPERTIES AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 8". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ASTM D698. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.

CODE REQUIREMENT:

- CONFORM TO THE 2014 OREGON STRUCTURAL SPECIALTY CODE, BASED ON THE 2015 INTERNATIONAL BUILDING CODE (IBC). NOTE: THIS APPLIES TO ALL REFERENCES TO OSSC DESIGN CRITERIA:

- THE WORK UNDER THE FOLLOWING SPECIFICATION SECTIONS IS SUBJECT TO SPECIAL INSPECTIONS AS DESCRIBED IN SECTION 1704 OF THE OSSC.
02300 - EARTHWORK
03300 - CAST-IN-PLACE CONCRETE

SPECIAL INSPECTION:

- SPECIAL INSPECTIONS WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE OSSC AS SUMMARIZED IN THE TABLE BELOW. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

STRUCTURAL OBSERVATION:

- THE STRUCTURAL ENGINEER OF RECORD (SER) WILL PERFORM STRUCTURAL OBSERVATION BASED ON THE REQUIREMENTS OF THE OSSC. THE STAGES OF CONSTRUCTION LISTED BELOW, CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SER TO PERFORM THESE OBSERVATIONS.

ITEM	STRUCTURAL OBSERVATION PROGRAM OBSERVED BY:		COMMENTS
	AOR	SER	
DURING FINAL FOUNDATION PREPARATION & DRIVING FILL PLACEMENT		X	REF. NOTES A, C, D
PRIOR TO FIRST CONCRETE POUR		X	REF. NOTES A, C, D, E
PRIOR TO FIRST CONCRETE DECK POUR		X	REF. NOTES A, C, D, E
PRIOR TO BEGINNING CHU GROUTING OPERATIONS		X	REF. NOTES A, C, D, E
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES		X	REF. NOTES A, C, D

PROGRAM FOOTNOTES:

- CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SER IN ADVANCE.
- SER - STRUCTURAL ENGINEER OF RECORD / AOR - ARCHITECT OF RECORD
- A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.
- STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWINGS. SPECIAL INSPECTION IS STILL REQUIRED.
- AFTER REINFORCING STEEL HAS BEEN INSTALLED.

SUBMITTALS:

- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING:
 - CONCRETE MIX DESIGNS, CONCRETE AND MASONRY REINFORCEMENT (INCLUDING MILL TEST REPORTS), STRUCTURAL STEEL (INCLUDING MILL TEST REPORTS)
 - ANY CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE OF THE STRUCTURAL ENGINEER OF RECORD.
 - DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS, INCLUDING: FILTER TANK SAFETY RAIL, PIPE SUPPORTS, A FILTER TANK ACCESS LADDER SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON AND SHALL BE INCLUDED FOR CONNECTIONS TO THE STRUCTURE, CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS. DESIGN SHALL BE BASED ON THE REQUIREMENTS OF THE OSSC.
 - THE CONTRACTOR SHALL COORDINATE SEISMO RESTRAINTS OF MECHANICAL, PLUMBING, AND ELECTRICAL EQUIPMENT, MACHINERY, AND ASSOCIATED PIPING WITH THE STRUCTURE. ANY CONNECTIONS TO THE STRUCTURE SHALL CONFORM TO OSSC SECTION 1621 AND SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FABRICATION.

IF THIS BAR DOES NOT MEASURE ACCURATELY IN LENGTH, THEN THE DRAWING IS NOT TO SCALE.

NO.	DATE	BY	CHKD.	APPR.	REV.	DATE	BY	CHKD.	APPR.

CITY OF COOS BAY

MINGUS PARK POOL FACILITY

EQUIPMENT REPLACEMENT

ZCS

ZBENDEN-CARTER-SOUDERS

ENGINEERING

300 CENTRAL AVENUE, SUITE 200
COOS BAY, OR 97420
(541) 266-4580

PROJECT NO: 6-0703-14
DRAWN: BAS/PAH
CHECKED: SEA
DATE: 04-06-16

REGISTERED PROFESSIONAL ENGINEER
STATE OF OREGON
EXPIRES: 12-31-17
BY: S. ALLEN

COVER SHEET & GENERAL NOTES

S0.0

PROJECT TEAM

OWNER

RANDY DUCH
CITY OF COOS BAY
500 CENTRAL AVENUE
COOS BAY, OR 97420
(541) 266-4580

ENGINEER OF RECORD

RUSSELL C. CARTER, PE SE
ZCS ENGINEERING, INC.
900 KLAMATH AVE.
KLAMATH FALLS, OR 97601
(541) 884-7421

PROJECT ENGINEER

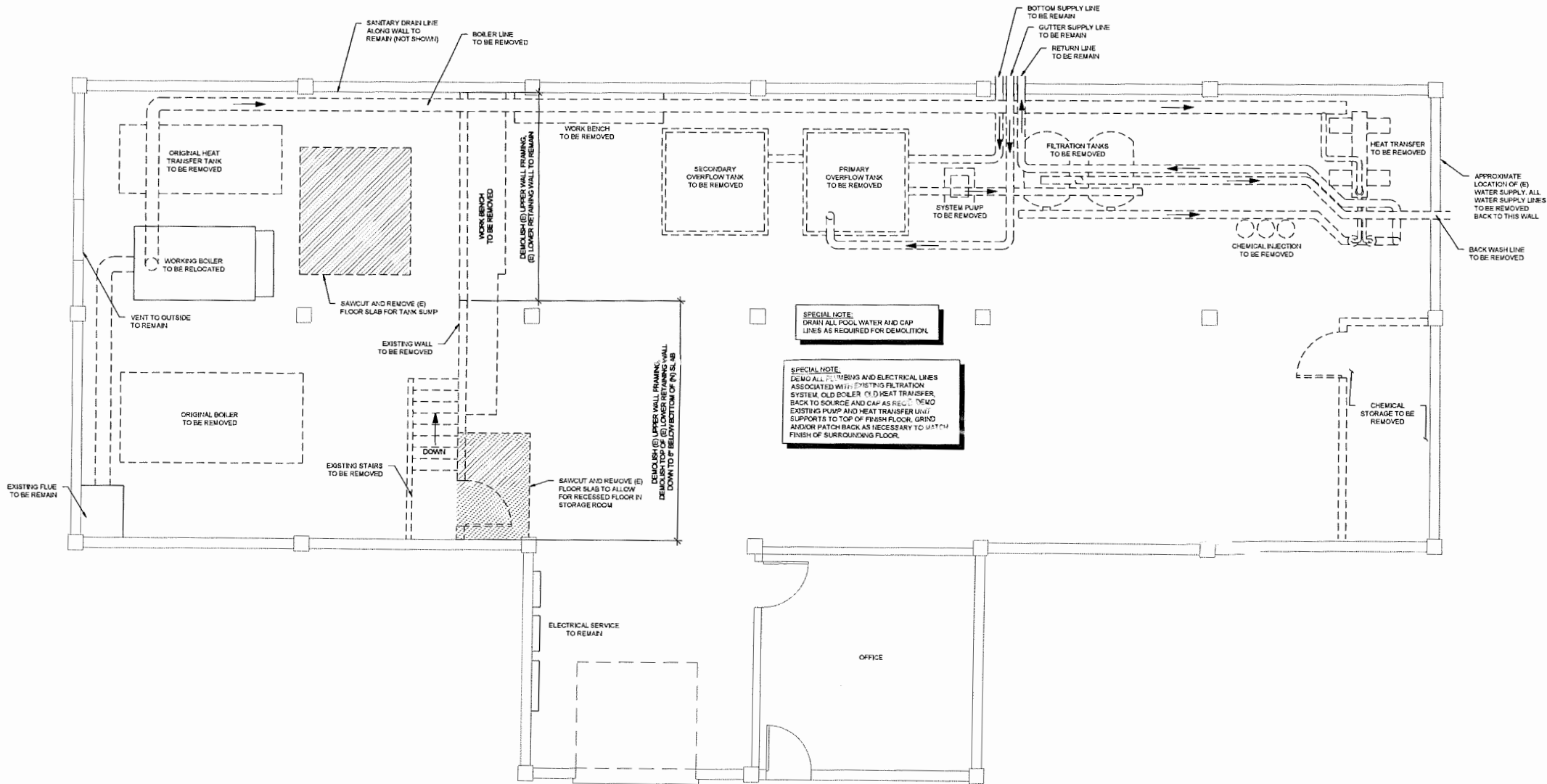
SYLAS E. ALLEN, PE
ZCS ENGINEERING, INC.
550 SW 6TH STREET, SUITE C
GRANTS PASS, OR 97626
(541) 479-3665

SHEET INDEX

- S0.0 COVER SHEET & GENERAL NOTES
- 60.1 DEMOLITION PLAN
- S1.0 NEW EQUIPMENT PLAN
- S1.1 FLOOR PLAN
- S1.2 CEILING PLAN
- S2.0 EQUIPMENT ROOM SECTIONS
- S3.0 STRUCTURAL DETAILS

DEMOLITION NOTES:

- COORDINATE DEMOLITION EFFORTS WITH THE G.C., ENGINEER, AND OWNER.
- COORDINATE THE DISCONNECTION OF ALL PERTINENT UTILITIES AS REQUIRED TO COMPLETE DEMOLITION WORK SAFELY WITH THE G.C.
- DO NOT ABANDON CONDUCTIVE ELECTRICAL ELEMENTS. ALL UNUSED CONDUCTORS SHALL BE DEMOLISHED.
- DEMOLITION OF MECHANICAL/PLUMBING SYSTEMS/PIPING/DUCTWORK/EQUIPMENT/FIXTURES INCLUDES SUPPORTS, HANGERS, AND APPURTENANCES.
- TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE STRUCTURAL COMPONENTS OF THE BUILDING DURING DEMOLITION WHERE STRUCTURAL COMPONENTS ARE REMOVED. DEMOLITION CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE SHORINGS/SUPPORT UNTIL NEW STRUCTURE HAS BEEN CONSTRUCTED.
- THE OWNER HAS VACATED THE PREMISES, AND SHALL BE NOTIFIED OF ANY IMPORTANT OR SENSITIVE MATERIALS FOUND REMAINING ON SITE.
- THE BUILDING HAS NOT BEEN CLEARED OF ASBESTOS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM HAZARDOUS MATERIAL ABATEMENT DURING THE DEMOLITION OF ELEMENTS NOTED ON THE PLANS.
- MAINTAIN THE INTEGRITY OF THE EXTERIOR SHELL OF THE BUILDING FOR PROTECTION OF STRUCTURAL MEMBERS. PROVIDE THE NECESSARY FRAMING AND PLYWOOD BOARDING TO MAINTAIN ACCESS TO THE BUILDING ONCE DEMOLITION HAS OCCURRED.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES.
- PLUMBING FIXTURES TO BE REMOVED COMPLETELY AS INDICATED ON PLANS, AND PLUMBING TO BE CAPPED TO PREVENT DAMAGE TO BUILDING ELEMENTS.
- PROVIDE PROTECTION AS NECESSARY DURING DEMOLITION FOR ANY EXISTING STRUCTURAL AND NON-STRUCTURAL ELEMENTS THAT SHALL REMAIN AFTER SUCH OPERATIONS HAVE CEASED.
- IF ANY ELEMENTS NOT CALLED OUT FOR DEMOLITION ARE DAMAGED DURING DEMOLITION, REPAIR OR REPLACE SUCH ELEMENTS TO MATCH EXISTING CONDITIONS.
- UNLESS PRE-APPROVED BY THE ENGINEER OF RECORD, EXISTING MATERIALS ARE NOT TO BE RE-USED.
- THE OWNER RESERVES THE RIGHT TO SALVAGE ANY MATERIALS.
- ALL DEMOLITION ITEMS AND MATERIALS ARE TO BE REMOVED TO AN APPROVED OFF SITE LOCATION.
- REMOVE ALL APPROPRIATE TRIM AND ARCHITECTURAL FINISHES AS REQUIRED TO PROVIDE NEW STRUCTURAL ELEMENTS.
- DEMOLISH AND REMOVE ALL EXISTING ELECTRICAL AND MECHANICAL SYSTEMS AS REQUIRED TO PROVIDE NEW STRUCTURAL ELEMENTS.



1 DEMOLITION PLAN
S0.1 1/4" = 1'-0"

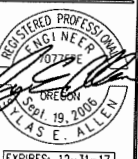
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NO.	DATE	BY	CHK.

CITY OF COOS BAY
**MINGUS PARK POOL FACILITY
EQUIPMENT REPLACEMENT**

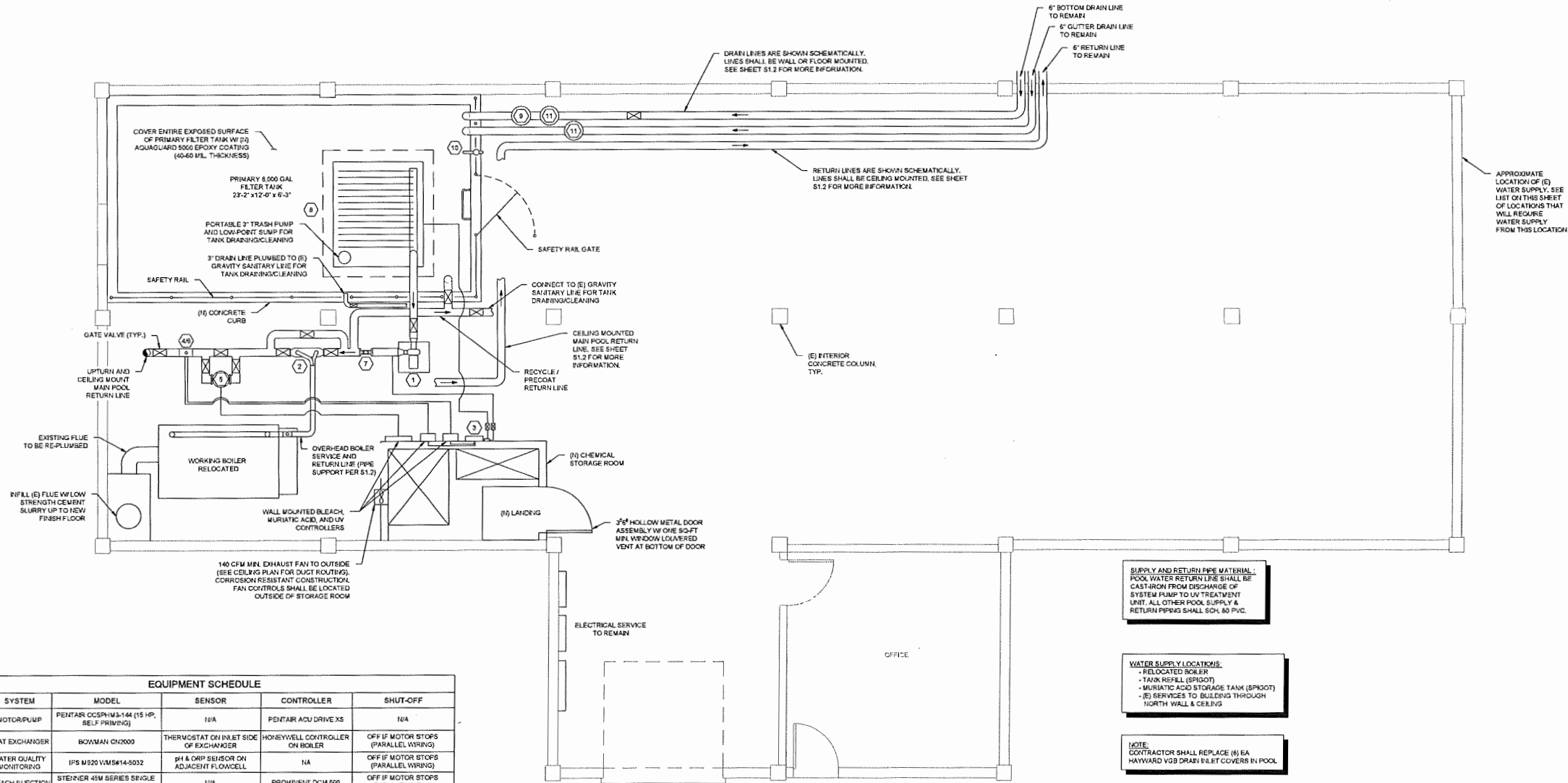


PROJECT NO: G-0703-14
DRAWN: BAB/SM
CHECKED: SEA
DATE: 04-06-15



DEMOLITION PLAN

S0.1



EQUIPMENT SCHEDULE					
(D)	SYSTEM	MODEL	SENSOR	CONTROLLER	SHUT-OFF
1	MOTOR/PUMP	PENTAIR CCSPHWS144 (15 HP, SELF-PRIMING)	N/A	PENTAIR ACU DRIVE XS	N/A
2	HEAT EXCHANGER	BOWMAN CN2000	THERMOSTAT ON INLET SIDE OF EXCHANGER	HONEYWELL CONTROLLER ON BOILER	OFF IF MOTOR STOPS (PARALLEL WIRING)
3	WATER QUALITY MONITORING	IPS M920 VMS814-5032	pH & ORP SENSOR ON ADJACENT FLOWCELL	NA	OFF IF MOTOR STOPS (PARALLEL WIRING)
4	BLEACH INJECTION	STENNER 45M SERIES SINGLE METERING PUMP (50 GPD)	N/A	PROMINENT DCM 500	OFF IF MOTOR STOPS (PARALLEL WIRING)
5	UV	WMS114-50244 SAG 960 A 900W, 90W AT 4200PM, 110V	BUILT-IN FLOW/PRESSURE & COVER REMOVAL SENSOR	PER MANUFACTURER OUTSIDE OF STORAGE ROOM	OFF IF MOTOR STOPS (PARALLEL WIRING)
6	MURIATIC ACID INJECTION	STENNER 45M SERIES SINGLE METERING PUMP (50 GPD) & STENNER 30 GAL TANK SYSTEM	N/A	PROMINENT DCM 500	OFF IF MOTOR STOPS (PARALLEL WIRING)
7	FLOW METER	IMAG 4900 6" FLANGED MAG METER VMS813-30245	BUILT-IN ELECTROMAGNETIC SENSOR	BUILT-IN CONTROL PER MANUFACTURER	N/A
8	VACUUM DE FILTER SYSTEM	MER-MADE 13 LEAF 30"x60" W/ EDGE OUTLET	N/A	N/A	N/A
9	TANK LEVEL CONTROL	MER-MADE LEVEL CONTROL VALVE SYSTEM W/ STRAINER	FLOAT AT HIGH WATER LINE	xxx	N/A
10	FRESH WATER REFILL	HECKLEY NO. 7 FLOAT VALVE ON FRESH WATER LINE INTO TANK	N/A	N/A	N/A
11	STRAINER	6" PVC/RP W/ STAINLESS STEEL BASKET	N/A	N/A	N/A

1 NEW EQUIPMENT PLAN
1/4" = 1'-0"

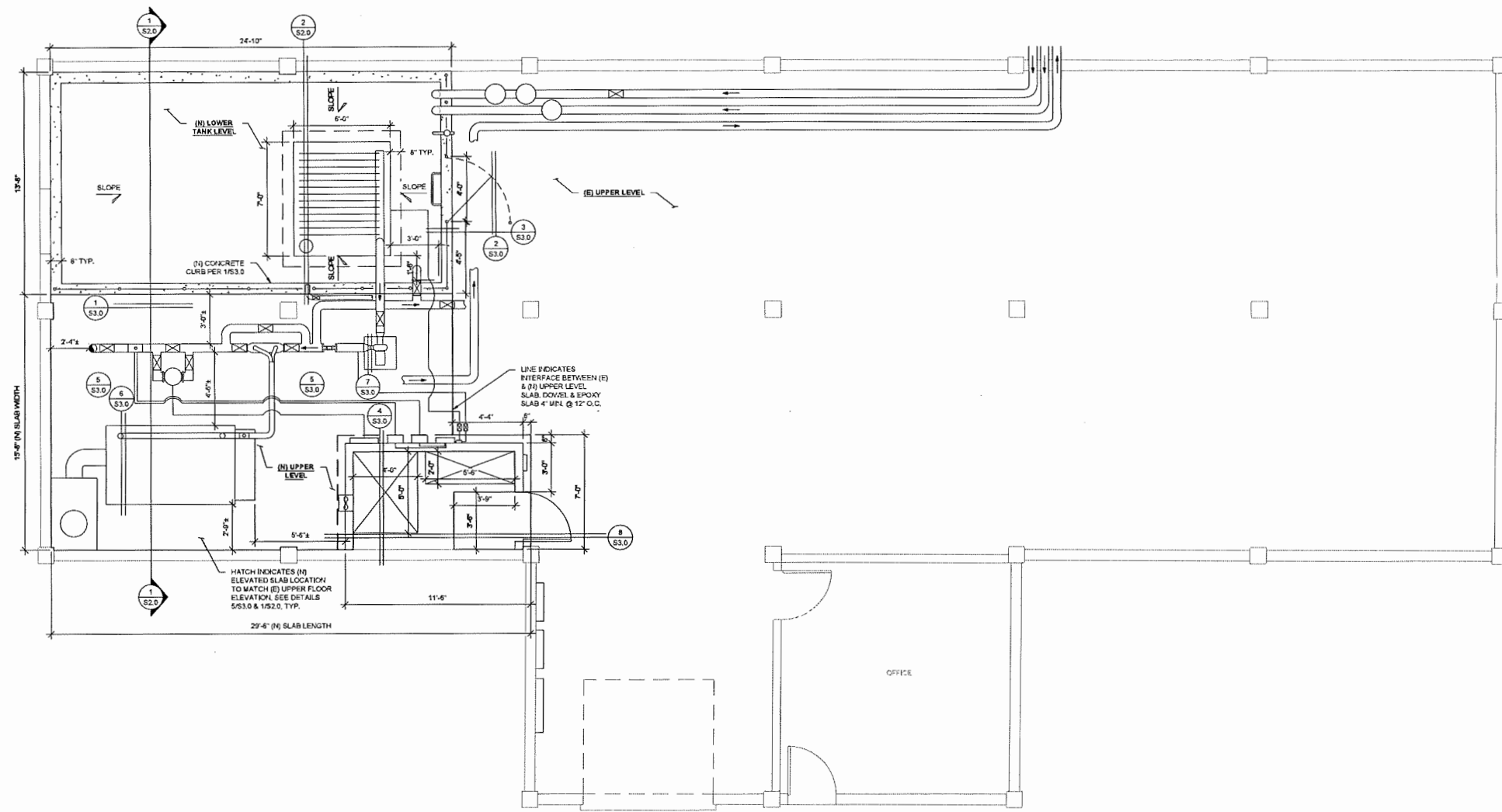
CITY OF COOS BAY
**MINGUS PARK POOL FACILITY
EQUIPMENT REPLACEMENT**

ZCS
ZBINDEN • CARTER • SOUTHERS
ENGINEERING
500 SW 29th Street, Suite C, Coos Bay, OR 97328
www.zcs-engineers.com

PROJECT NO: G-0703-14
DRAWN: BAS/AMH
CHECKED: SEA
DATE: 04-08-15

REGISTERED PROFESSIONAL ENGINEER
PLAS E. ALLEN
EXPIRES: 12-31-17

NEW EQUIPMENT PLAN
S1.0



1 FLOOR PLAN
S1.1 1/4" = 1'-0"

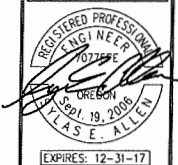
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DRAWING IS NOT TO SCALE

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CITY OF COOS BAY
MINGUS PARK POOL FACILITY
EQUIPMENT REPLACEMENT

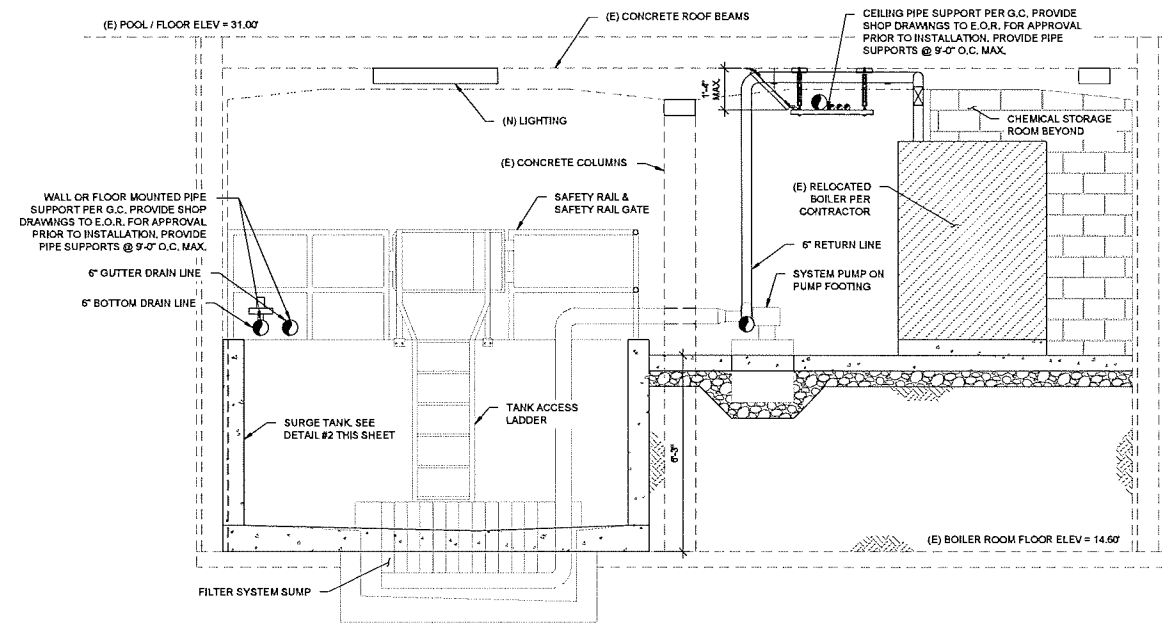


PROJECT NO: G-0703-14
DRAWN: BAS/AMH
CHECKED: SEA
DATE: 04-06-18

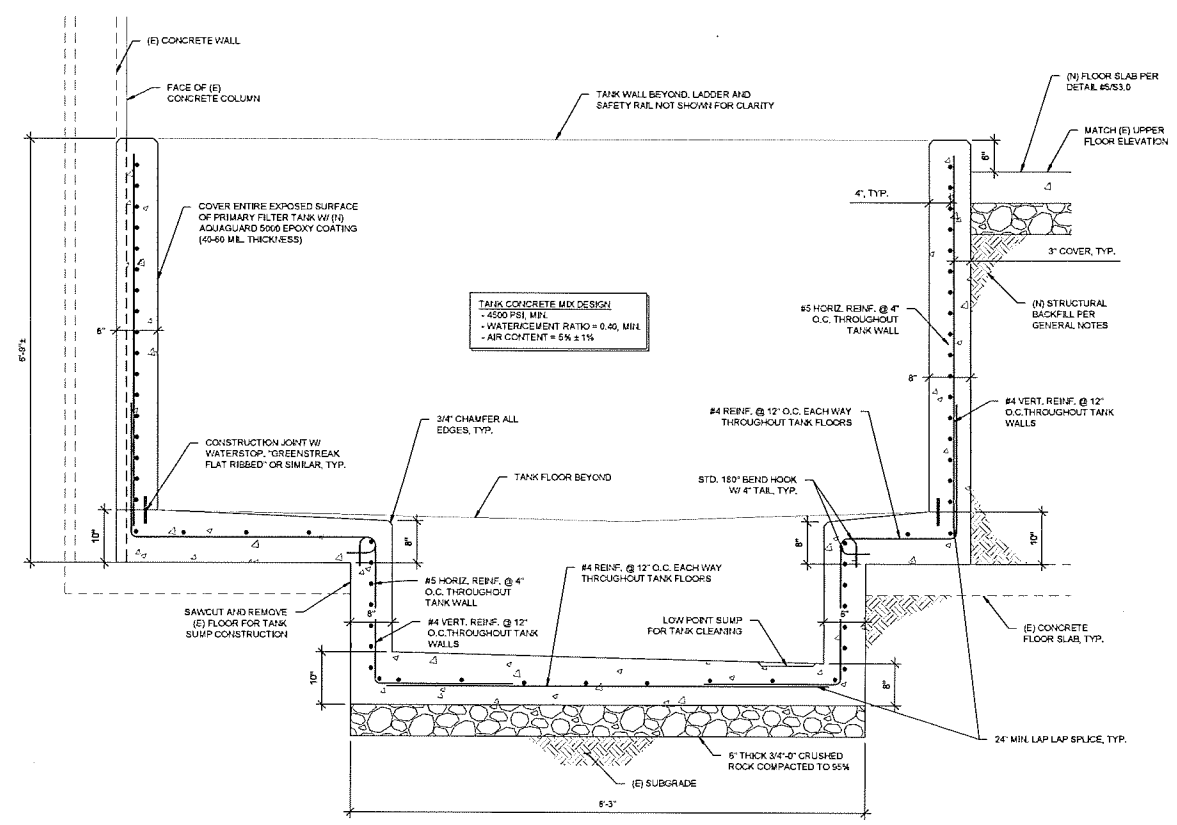


FLOOR PLAN

S1.1



1 NEW EQUIPMENT ROOM SECTION
 S2.0 3/8" = 1'-0"



2 TANK SECTION
 S2.0 3/4" = 1'-0"

IF THIS BAR DOES NOT MEASURE THE
 HORIZONTAL LENGTH, THE
 DRAWING IS NOT TO SCALE

DATE	1	DATE
REVISION		

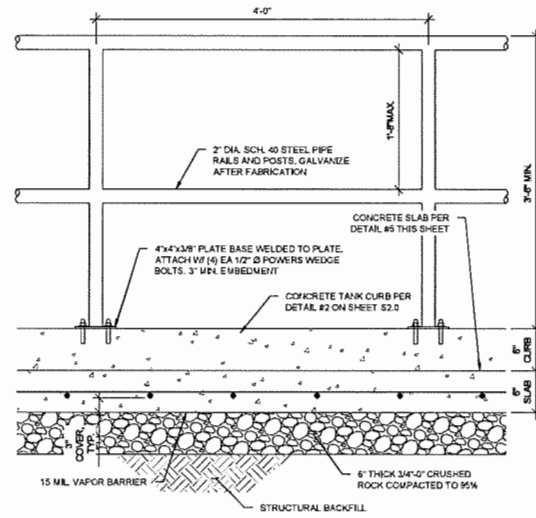
CITY OF COOS BAY
 MINGUS PARK POOL FACILITY
 EQUIPMENT REPLACEMENT

ZCS
 ZBINDEN • CARTER • SQUIDDERS
 ENGINEERS ARCHITECTS
 550 SW 10th Street, Suite C, Grants Pass, OR 97526
 PH: 541-738-3885 FAX: 541-738-3885

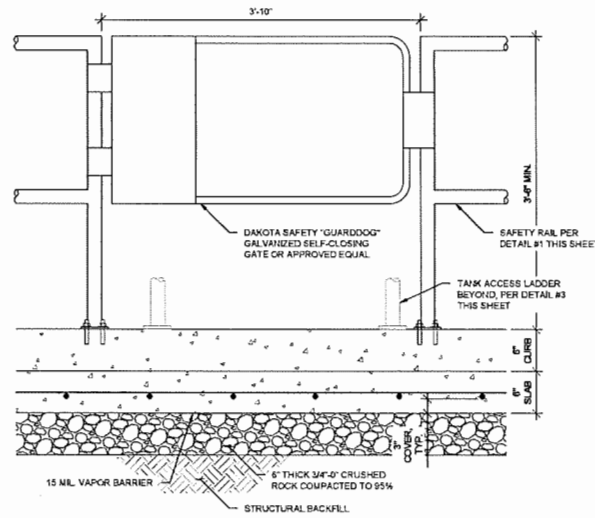
PROJECT NO: G-0703-14
 DRAWN: BAS/KMB
 CHECKED: SEA
 DATE: 04-06-15

REGISTERED PROFESSIONAL
 ENGINEER
 STATE OF OREGON
 No. 19,2006
 T. S. E. ALLEN
 EXPIRES: 12-31-17

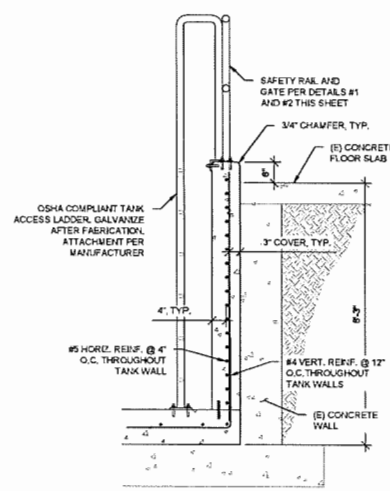
EQUIPMENT ROOM
 SECTIONS
 S2.0



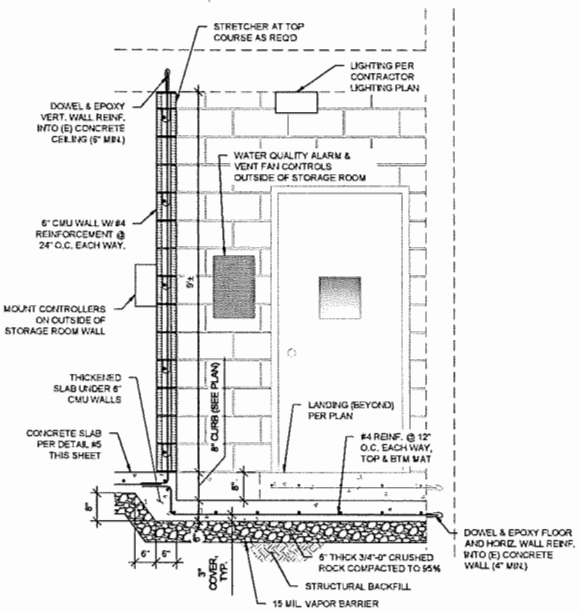
1 SAFETY RAIL
S3.0 1"= 1'-0"



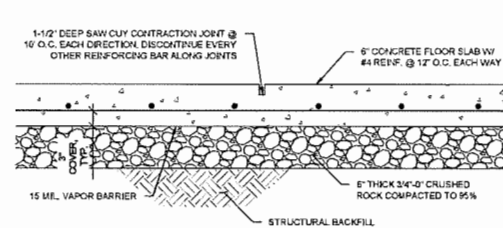
2 SAFETY RAIL GATE
S3.0 1"= 1'-0"



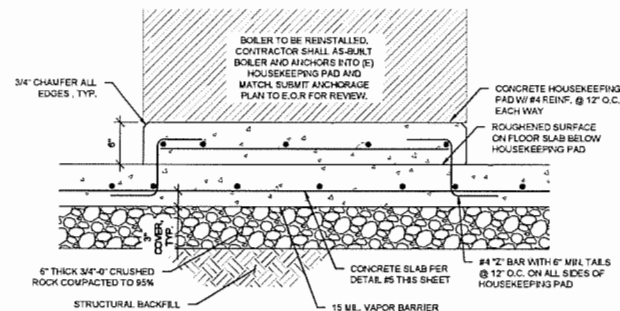
3 TANK ACCESS LADDER
S3.0 1/2"= 1'-0"



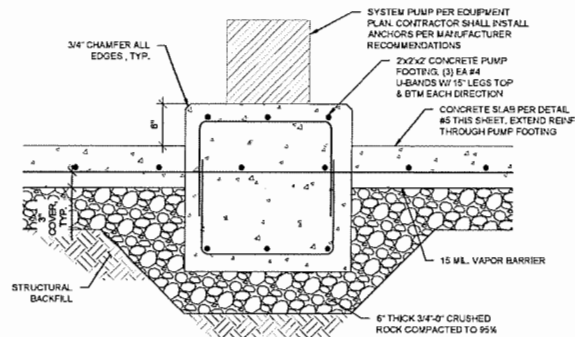
4 CHEMICAL STORAGE ROOM
S3.0 1/2"= 1'-0"



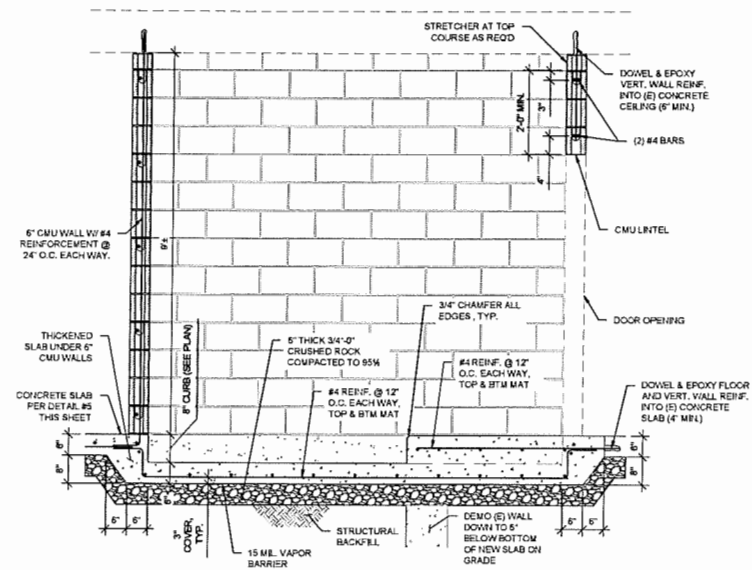
5 (N) FLOOR SLAB
S3.0 1"= 1'-0"



6 BOILER HOUSEKEEPING PAD
S3.0 1"= 1'-0"



7 PUMP FOOTING
S3.0 1"= 1'-0"



8 CHEMICAL STORAGE ROOM
S3.0 1/2"= 1'-0"

CITY OF COOS BAY	
MINGUS PARK POOL FACILITY EQUIPMENT REPLACEMENT	
ZCS ZINDIGEN • CARTER • SOUDERS ENGINEERING 504 SW 10th St., Coos Bay, OR 97330 503.738.1234	PROJECT NO: G-4703-14 DRAWN: BAS/AMH CHECKED: SEA DATE: 04-06-15
	
STRUCTURAL DETAILS	
S3.0	